## IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): Method of determining the position of a mobile station in a mobile telecommunication network, the said network including a plurality of base stations designed to adopt at least on the one hand a state corresponding to periods of transmission of signals useful to the said mobile station for determining the said position, and on the other hand a state corresponding to periods of silence during which no signal is transmitted, comprising:

arranging said periods of transmission and the said periods of silence in cycles including at least one period of silence, wherein

a cycle allocated to a base station is identical to a cycle allocated to any base station adjacent to it, but is offset in time from it, and

each of said offsets in time is equal to a sub-multiple of the duration of said cycle.

Claim 2 (Canceled).

Claim 3 (Previously Presented): Determining method according to Claim 1, characterised in that the number of periods of silence per cycle is greater than one and in that the interval of time between two adjacent periods of silence is equal to a base period which is a sub-multiple of the duration of a cycle.

Claim 4 (Previously Presented): Determining method according to Claim 3, characterised in that an offset in time between two base stations is an integer multiple of the said base period.

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Claim 5 (Previously Presented): Determining method according to Claim 1, characterised in that each cycle comprises, in addition to at least one telecommunication signals transmission period and at least one period of silence, a period of transmitting specific location signals.

Claim 6 (Previously Presented): Determining method according to Claim 5, characterised in that the interval of time between two periods of transmitting adjacent location signals, the one between a period of transmitting location signals and a period of silence which are adjacent, the one between a period of silence S and a period of transmitting location signals E which are adjacent and the one between two adjacent periods of silence are identical and equal to the said base period.

Claim 7 (Previously Presented): Determining method according to Claim 5, characterised in that the transmission power of the specific location signals is higher than the transmission power of the telecommunication signals.

Claim 8 (Previously Presented): Determining method according to Claim 5, characterised in that the periods of transmission of the location signals are of the same duration as the periods of silence S.

Claim 9 (Previously Presented): Determining method according to Claim 1, characterised in that each base station in the network, in order to be controlled, receives two items of information: on the one hand an item of information representing the scheme of the cycle allocated to it and on the other hand an item of information representing the offset in time of its cycle with respect to a reference.

Claim 10 (Previously Presented): Determining method according to Claim 1, characterised in that the base stations in the said network are grouped together by identical groups of adjacent base stations, the base stations in the same group having the same cycle scheme but different offsets and two base stations which correspond to each other in pairs from one group to another having their offsets in time equal.

Claim 11 (Previously Presented): Determining method according to Claim 10, characterised in that the said base stations in a network are grouped together by a number N, the said base station having cycles with M base periods PB greater than N.

Claim 12 (Currently Amended): Mobile telecommunication network including a plurality of base stations controlled by a control unit so that the said base stations can adopt at least on the one hand a state corresponding to periods of transmission of signals useful to a mobile station for determining its position by the use of a position determination method and on the other hand a state corresponding to periods of silence during which no signal is transmitted, characterised in that the said control unit is designed so that the said periods of transmission and the said periods of silence are arranged in cycles including at least one period of silence, wherein

a cycle allocated to a base station is identical to a cycle allocated to any base station which is adjacent to it, but is offset in time from it, and

each of said offsets in time is equal to a sub-multiple of the duration of a cycle.

Claim 13 (Canceled).

Claim 14 (Previously Presented): Network according to Claim 12, characterised in that the number of periods of silence per cycle is greater than one and in that the interval of time between two adjacent periods of silence is equal to a base period which is a sub-multiple of the duration of a cycle.

Claim 15 (Previously Presented): Network according to Claim 14, characterised in that an offset in time between two base stations is an integer multiple of the said base period.

Claim 16 (Previously Presented): Network according to one of Claims 12, characterised in that each cycle comprises, in addition to at least one period of transmission of telecommunication signals and at least one period of silence, a period of transmission of specific location signals.

Claim 17 (Original): Network according to Claim 16, characterised in that the interval of time between two periods of transmitting adjacent location signals, the one between a period of transmitting location signals and a period of silence which are adjacent, the one between a period of silence S and a period of transmitting location signals E which are adjacent to each other and the one between two adjacent periods of silence are identical and equal to the said base period.

Claim 18 (Previously Presented): Network according to Claim 16, characterised in that the transmission power of the specific location signals is higher than the transmission power of the telecommunication signals.

Claim 19 (Previously Presented): Network according to Claim 18, characterised in that the periods of transmission of the location signals are of the same duration as the periods of silence S.

Claim 20 (Previously Presented): Network according to Claim 12, characterised in that each base station in the network, in order to be controlled, receives two items of information: on the one hand an item of information representing the scheme of the cycle allocated to it and on the other hand an item of information representing the shift in time of its cycle with respect to a reference.

Claim 21 (Previously Presented): Network according to Claim 12, characterised in that the base stations in the said network are grouped together by identical groups of adjacent base stations, the base stations in the same group having the same cycle scheme but different offsets and two base stations which correspond to each other in pairs from one group to another having their offsets in time equal.

Claim 22 (Original): Measurement method according to Claim 21, characterised in that the said base stations in a network are grouped together by a number N, the said base stations having cycles with M base periods PB greater than N.

Claim 23 (Currently Amended): A base station controller configured to execute the method as recited in any one of Claims 1 or 3-11.

Claim 24 (Previously Presented): A base station configured to be controlled by the base station controller recited in Claim 23.